

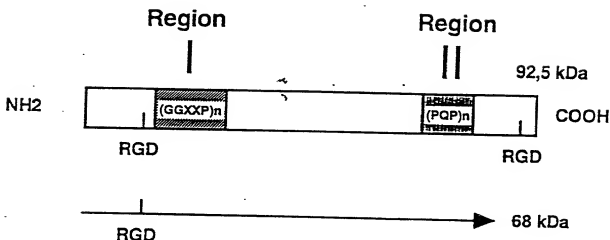
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Fig. 1a: The two regions of repeats in *Bordetella bronchiseptica* pertactin

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Fig. 1b: Multiple alignment of *B. bronchiseptica* pertactin in region I

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Fig. 1c: Multiple alignment of *B. bronchiseptica* pertactin in region II

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II-1	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-2	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-3	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-4	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-5	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-6	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-7	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-8	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
II-9	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
prn1	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA
prn6	GAKAPPAKPAQPGPGPQP-----QPPQPPQP-PQRQP--EAPAPQPPAGRELSAA